



032904

21861 U.S. PTO

Please type a plus sign (+) inside this box →



PTO/SB/05 (12/97)

Approved for use through 09/30/00. OMB 0651-0032

Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.

UTILITY PATENT APPLICATION TRANSMITTAL (Only for new nonprovisional applications under 37 CFR 1.53(b))	Attorney Docket No.	140352-1/YOD GERD:0107	Total Pages	53
	First Named Inventor or Application Identifier Brian Lee Lawrence			
	Express Mail Label No.	EV 365 157 796 US		

2387 U.S. PTO
10/8/2211
032904

APPLICATION ELEMENTS See MPEP chapter 600 concerning utility patent application contents.		ADDRESS TO: Commissioner for Patents Mail Stop Patent Application, P.O. Box 1450 Alexandria, VA 22313-1450	
1. <input checked="" type="checkbox"/> Fee Transmittal Form (Submit an original, and a duplicate for fee processing)	6. <input type="checkbox"/> Microfiche Computer Program (Appendix)	ACCOMPANYING APPLICATION PARTS 8. <input checked="" type="checkbox"/> Assignment Papers (cover sheet & document(s)) 9. <input type="checkbox"/> 37 CFR 3.73(b) Statement <input checked="" type="checkbox"/> Power of Attorney (where there is an assignee) 10. <input type="checkbox"/> English Translation Document (if applicable) 11. <input checked="" type="checkbox"/> Information Disclosure Statement (IDS)/PTO-1449 <input type="checkbox"/> Copies of IDS Citations 12. <input type="checkbox"/> Preliminary Amendment 13. <input checked="" type="checkbox"/> Return Receipt Postcard (MPEP 503) 14. <input type="checkbox"/> Small Entity <input type="checkbox"/> Statement filed in prior application Statement(s) Status still proper and desired 15. <input type="checkbox"/> Certified Copy of Priority Document(s) (if foreign priority is claimed) 16. <input type="checkbox"/> Other	
2. <input checked="" type="checkbox"/> Specification Total Pages 21 (preferred arrangement set forth below) -Descriptive -Cross References to Related Application -Statement Regarding Fed sponsored R & D -Reference to Microfiche Appendix -Background of the Invention -Brief Summary of the Invention -Brief Description of the Drawings (if filed) -Detailed Description -Claim(s) -Abstract of the Disclosure	7. Nucleotide and/or Amino Acid Sequence Submission (if applicable, all necessary) a. <input type="checkbox"/> Computer Readable Copy b. <input type="checkbox"/> Paper Copy (identical to computer copy) c. <input type="checkbox"/> Statement verifying identity of above copies		
3. <input checked="" type="checkbox"/> Drawing(s) (35 USC 113) Total Sheets 4 Total Pages 12			
4. Oath or Declaration a. <input checked="" type="checkbox"/> Newly executed (original or copy) b. <input type="checkbox"/> Copy from a prior application (37CFR 1.63(d)) (for continuation/divisional with Box 17 completed) [Note Box 5 below] i. <input type="checkbox"/> DELETION OF INVENTOR(S) Signed statement attached deleting inventor(s) named in the prior application, see 37 CFR 1.63(d)(2) and 1.33(b).			
5. <input type="checkbox"/> Incorporation By Reference (useable if Box 4b is checked) The entire disclosure of the prior application, from which a copy of the oath or declaration is supplied under Box 4b, is considered as being part of the disclosure of the accompanying application and is hereby incorporated by reference therein.			
17. <input type="checkbox"/> Continuation <input type="checkbox"/> Divisional <input type="checkbox"/> Continuation-in-part (CIP) of prior application No. _____ / _____			

18. CORRESPONDENCE ADDRESS

<input type="checkbox"/> Customer Number or Bar Code Label		<input checked="" type="checkbox"/> Correspondence address below	
(Insert Customer No. or Attach bar code label here)			
NAME	Patrick S. Yoder FLETCHER YODER		
ADDRESS	P.O. Box 692289		
CITY	Houston	STATE	Texas
COUNTRY	USA	TELEPHONE	(281) 970-4545
		Fax	(281) 970-4503

Burden Hour Statement: This form is estimated to take 0.2 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Mail Stop Patent Application, Alexandria, VA 22313-1450.



21861 U.S. PTO

032904

2

PTO/SB/17 (10/96)

Approved for use through 09/30/98. OMB 0651-0032
Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.

FEE TRANSMITTAL		Complete if Known			
		Application Number	Unassigned		
		Filing Date	Herewith		
		First Named Inventor	Brian Lee Lawrence		
		Group Art Unit	Unknown		
TOTAL AMOUNT OF PAYMENT		(\$)	1306.00	Examiner Name	Unknown
				Attorney Docket Number	140352-1/YOD (GERD:0107)

METHOD OF PAYMENT (check one)		FEE CALCULATION (continued)																																																																																																																																																																																					
<p>1. <input checked="" type="checkbox"/> The Commissioner is hereby authorized to charge indicated fees and credit any over payments to:</p> <p>Deposit Account Number: <u>07-0868/140352-1/YOD (GERD:0107)</u></p> <p>Deposit Account Name: <u>General Electric Global Research Center</u></p> <p><input checked="" type="checkbox"/> Charge Any Additional Fee Required Under 37 CFR 1.16 and 1.17 <input type="checkbox"/> Charge the Issue Fee Set in 37 CFR 1.18 at the Mailing of the Notice of Allowance, 37 CFR 1.31(b)</p> <p>2. <input type="checkbox"/> Payment Enclosed: <input type="checkbox"/> Check <input type="checkbox"/> Money Order <input type="checkbox"/> Other</p>		<p>3. ADDITIONAL FEES</p> <table border="1"><thead><tr><th>Large Fee Code</th><th>Entity (\$)</th><th>Small Fee Code</th><th>Entity (\$)</th><th>Fee Description</th><th>Fee Paid</th></tr></thead><tbody><tr><td>105</td><td>130</td><td>205</td><td>65</td><td>Surcharge - late filing fee or oath</td><td>—</td></tr><tr><td>127</td><td>50</td><td>227</td><td>25</td><td>Surcharge - late provisional filing or cover sheet</td><td>—</td></tr><tr><td>139</td><td>130</td><td>139</td><td>130</td><td>Non-English specification</td><td>—</td></tr><tr><td>147</td><td>2,520</td><td>147</td><td>2,520</td><td>For filing a request for reexamination</td><td>—</td></tr><tr><td>112</td><td>920</td><td>112</td><td>920</td><td>Requesting publication of SIR prior to Examiner action</td><td>—</td></tr><tr><td>113</td><td>1,840</td><td>113</td><td>1,840</td><td>Requesting publication of SIR after Examiner action</td><td>—</td></tr><tr><td>115</td><td>110</td><td>215</td><td>55</td><td>Extension for response within first month</td><td>—</td></tr><tr><td>116</td><td>400</td><td>216</td><td>200</td><td>Extension for response within second month</td><td>—</td></tr><tr><td>117</td><td>950</td><td>217</td><td>475</td><td>Extension for response within third month</td><td>—</td></tr><tr><td>118</td><td>1,570</td><td>218</td><td>755</td><td>Extension for response within fourth month</td><td>—</td></tr><tr><td>119</td><td>310</td><td>219</td><td>155</td><td>Notice of Appeal</td><td>—</td></tr><tr><td>120</td><td>310</td><td>220</td><td>155</td><td>Filing a brief in support of an appeal</td><td>—</td></tr><tr><td>121</td><td>270</td><td>221</td><td>135</td><td>Request for oral hearing</td><td>—</td></tr><tr><td>138</td><td>1,510</td><td>138</td><td>1,510</td><td>Petition to institute a public use proceeding</td><td>—</td></tr><tr><td>140</td><td>110</td><td>240</td><td>55</td><td>Petition to revive unavoidably abandoned application</td><td>—</td></tr><tr><td>141</td><td>1,320</td><td>241</td><td>660</td><td>Petition to revive unintentionally abandoned application</td><td>—</td></tr><tr><td>142</td><td>1,320</td><td>242</td><td>660</td><td>Utility issue fee (or reissue)</td><td>—</td></tr><tr><td>143</td><td>450</td><td>243</td><td>225</td><td>Design issue fee</td><td>—</td></tr><tr><td>144</td><td>670</td><td>244</td><td>335</td><td>Plant issue fee</td><td>—</td></tr><tr><td>122</td><td>130</td><td>122</td><td>130</td><td>Petitions to the Commissioner</td><td>—</td></tr><tr><td>123</td><td>50</td><td>123</td><td>50</td><td>Petitions related to provisional applications</td><td>—</td></tr><tr><td>126</td><td>240</td><td>126</td><td>240</td><td>Submission of Information Disclosure Stmt</td><td>—</td></tr><tr><td>581</td><td>40</td><td>581</td><td>40</td><td>Recording each patent assignment per property (times number of properties)</td><td>40.00</td></tr><tr><td>146</td><td>790</td><td>246</td><td>395</td><td>Filing a submission after final rejection (37 CFR 1.129(a))</td><td>—</td></tr><tr><td>149</td><td>790</td><td>249</td><td>395</td><td>For each additional invention to be examined (37 CFR 1.129(b))</td><td>—</td></tr><tr><td colspan="4">Other fee (specify) _____</td><td></td><td></td></tr><tr><td colspan="4">Other fee (specify) _____</td><td></td><td></td></tr><tr><td colspan="5">SUBTOTAL (3)</td><td>(\$) 40.00</td></tr><tr><td colspan="6">* Reduced by Basic Filing Fee Paid</td></tr></tbody></table>		Large Fee Code	Entity (\$)	Small Fee Code	Entity (\$)	Fee Description	Fee Paid	105	130	205	65	Surcharge - late filing fee or oath	—	127	50	227	25	Surcharge - late provisional filing or cover sheet	—	139	130	139	130	Non-English specification	—	147	2,520	147	2,520	For filing a request for reexamination	—	112	920	112	920	Requesting publication of SIR prior to Examiner action	—	113	1,840	113	1,840	Requesting publication of SIR after Examiner action	—	115	110	215	55	Extension for response within first month	—	116	400	216	200	Extension for response within second month	—	117	950	217	475	Extension for response within third month	—	118	1,570	218	755	Extension for response within fourth month	—	119	310	219	155	Notice of Appeal	—	120	310	220	155	Filing a brief in support of an appeal	—	121	270	221	135	Request for oral hearing	—	138	1,510	138	1,510	Petition to institute a public use proceeding	—	140	110	240	55	Petition to revive unavoidably abandoned application	—	141	1,320	241	660	Petition to revive unintentionally abandoned application	—	142	1,320	242	660	Utility issue fee (or reissue)	—	143	450	243	225	Design issue fee	—	144	670	244	335	Plant issue fee	—	122	130	122	130	Petitions to the Commissioner	—	123	50	123	50	Petitions related to provisional applications	—	126	240	126	240	Submission of Information Disclosure Stmt	—	581	40	581	40	Recording each patent assignment per property (times number of properties)	40.00	146	790	246	395	Filing a submission after final rejection (37 CFR 1.129(a))	—	149	790	249	395	For each additional invention to be examined (37 CFR 1.129(b))	—	Other fee (specify) _____						Other fee (specify) _____						SUBTOTAL (3)					(\$) 40.00	* Reduced by Basic Filing Fee Paid					
Large Fee Code	Entity (\$)	Small Fee Code	Entity (\$)	Fee Description	Fee Paid																																																																																																																																																																																		
105	130	205	65	Surcharge - late filing fee or oath	—																																																																																																																																																																																		
127	50	227	25	Surcharge - late provisional filing or cover sheet	—																																																																																																																																																																																		
139	130	139	130	Non-English specification	—																																																																																																																																																																																		
147	2,520	147	2,520	For filing a request for reexamination	—																																																																																																																																																																																		
112	920	112	920	Requesting publication of SIR prior to Examiner action	—																																																																																																																																																																																		
113	1,840	113	1,840	Requesting publication of SIR after Examiner action	—																																																																																																																																																																																		
115	110	215	55	Extension for response within first month	—																																																																																																																																																																																		
116	400	216	200	Extension for response within second month	—																																																																																																																																																																																		
117	950	217	475	Extension for response within third month	—																																																																																																																																																																																		
118	1,570	218	755	Extension for response within fourth month	—																																																																																																																																																																																		
119	310	219	155	Notice of Appeal	—																																																																																																																																																																																		
120	310	220	155	Filing a brief in support of an appeal	—																																																																																																																																																																																		
121	270	221	135	Request for oral hearing	—																																																																																																																																																																																		
138	1,510	138	1,510	Petition to institute a public use proceeding	—																																																																																																																																																																																		
140	110	240	55	Petition to revive unavoidably abandoned application	—																																																																																																																																																																																		
141	1,320	241	660	Petition to revive unintentionally abandoned application	—																																																																																																																																																																																		
142	1,320	242	660	Utility issue fee (or reissue)	—																																																																																																																																																																																		
143	450	243	225	Design issue fee	—																																																																																																																																																																																		
144	670	244	335	Plant issue fee	—																																																																																																																																																																																		
122	130	122	130	Petitions to the Commissioner	—																																																																																																																																																																																		
123	50	123	50	Petitions related to provisional applications	—																																																																																																																																																																																		
126	240	126	240	Submission of Information Disclosure Stmt	—																																																																																																																																																																																		
581	40	581	40	Recording each patent assignment per property (times number of properties)	40.00																																																																																																																																																																																		
146	790	246	395	Filing a submission after final rejection (37 CFR 1.129(a))	—																																																																																																																																																																																		
149	790	249	395	For each additional invention to be examined (37 CFR 1.129(b))	—																																																																																																																																																																																		
Other fee (specify) _____																																																																																																																																																																																							
Other fee (specify) _____																																																																																																																																																																																							
SUBTOTAL (3)					(\$) 40.00																																																																																																																																																																																		
* Reduced by Basic Filing Fee Paid																																																																																																																																																																																							
<p>1. FILING FEE</p> <table border="1"><thead><tr><th>Large Entity Fee Code</th><th>Entity (\$)</th><th>Small Entity Fee Code</th><th>Entity (\$)</th><th>Fee Description</th><th>Fee Paid</th></tr></thead><tbody><tr><td>1001</td><td>750</td><td>2001</td><td>375</td><td>Utility filing fee</td><td>770.00</td></tr><tr><td>1002</td><td>330</td><td>2002</td><td>165</td><td>Design filing fee</td><td>—</td></tr><tr><td>1003</td><td>520</td><td>2003</td><td>260</td><td>Plant filing fee</td><td>—</td></tr><tr><td>1004</td><td>750</td><td>2004</td><td>375</td><td>Reissue filing fee</td><td>—</td></tr><tr><td>1005</td><td>160</td><td>2005</td><td>80</td><td>Provisional filing fee</td><td>—</td></tr><tr><td colspan="5">SUBTOTAL (1)</td><td>(\$) 770.00</td></tr></tbody></table>		Large Entity Fee Code	Entity (\$)	Small Entity Fee Code	Entity (\$)	Fee Description	Fee Paid	1001	750	2001	375	Utility filing fee	770.00	1002	330	2002	165	Design filing fee	—	1003	520	2003	260	Plant filing fee	—	1004	750	2004	375	Reissue filing fee	—	1005	160	2005	80	Provisional filing fee	—	SUBTOTAL (1)					(\$) 770.00	<p>2. CLAIMS</p> <table border="1"><thead><tr><th>Large Entity Fee Code</th><th>Entity (\$)</th><th>Small Entity Fee Code</th><th>Entity (\$)</th><th>Fee Description</th><th>Fee Paid</th></tr></thead><tbody><tr><td>1202</td><td>18</td><td>2202</td><td>9</td><td>Claims in excess of 20</td><td>—</td></tr><tr><td>1201</td><td>84</td><td>2201</td><td>42</td><td>Independent claims in excess of 3</td><td>—</td></tr><tr><td>1203</td><td>280</td><td>2203</td><td>140</td><td>Multiple dependent claim</td><td>—</td></tr><tr><td>1204</td><td>84</td><td>2204</td><td>42</td><td>Reissue independent claims over original patent</td><td>—</td></tr><tr><td>1205</td><td>18</td><td>2205</td><td>9</td><td>Reissue claims in excess of 20 and over original patent</td><td>—</td></tr><tr><td colspan="5">SUBTOTAL (2)</td><td>(\$) 496.00</td></tr></tbody></table>		Large Entity Fee Code	Entity (\$)	Small Entity Fee Code	Entity (\$)	Fee Description	Fee Paid	1202	18	2202	9	Claims in excess of 20	—	1201	84	2201	42	Independent claims in excess of 3	—	1203	280	2203	140	Multiple dependent claim	—	1204	84	2204	42	Reissue independent claims over original patent	—	1205	18	2205	9	Reissue claims in excess of 20 and over original patent	—	SUBTOTAL (2)					(\$) 496.00																																																																																																
Large Entity Fee Code	Entity (\$)	Small Entity Fee Code	Entity (\$)	Fee Description	Fee Paid																																																																																																																																																																																		
1001	750	2001	375	Utility filing fee	770.00																																																																																																																																																																																		
1002	330	2002	165	Design filing fee	—																																																																																																																																																																																		
1003	520	2003	260	Plant filing fee	—																																																																																																																																																																																		
1004	750	2004	375	Reissue filing fee	—																																																																																																																																																																																		
1005	160	2005	80	Provisional filing fee	—																																																																																																																																																																																		
SUBTOTAL (1)					(\$) 770.00																																																																																																																																																																																		
Large Entity Fee Code	Entity (\$)	Small Entity Fee Code	Entity (\$)	Fee Description	Fee Paid																																																																																																																																																																																		
1202	18	2202	9	Claims in excess of 20	—																																																																																																																																																																																		
1201	84	2201	42	Independent claims in excess of 3	—																																																																																																																																																																																		
1203	280	2203	140	Multiple dependent claim	—																																																																																																																																																																																		
1204	84	2204	42	Reissue independent claims over original patent	—																																																																																																																																																																																		
1205	18	2205	9	Reissue claims in excess of 20 and over original patent	—																																																																																																																																																																																		
SUBTOTAL (2)					(\$) 496.00																																																																																																																																																																																		

SUBMITTED BY		Complete (if applicable)			
Typed or Printed Name	John M. Rariden	Reg. Number	54,388		
Signature		Date	March 29, 2004	Deposit Acct. User ID	07-0868/140352-1/YOD (GERD:0107)